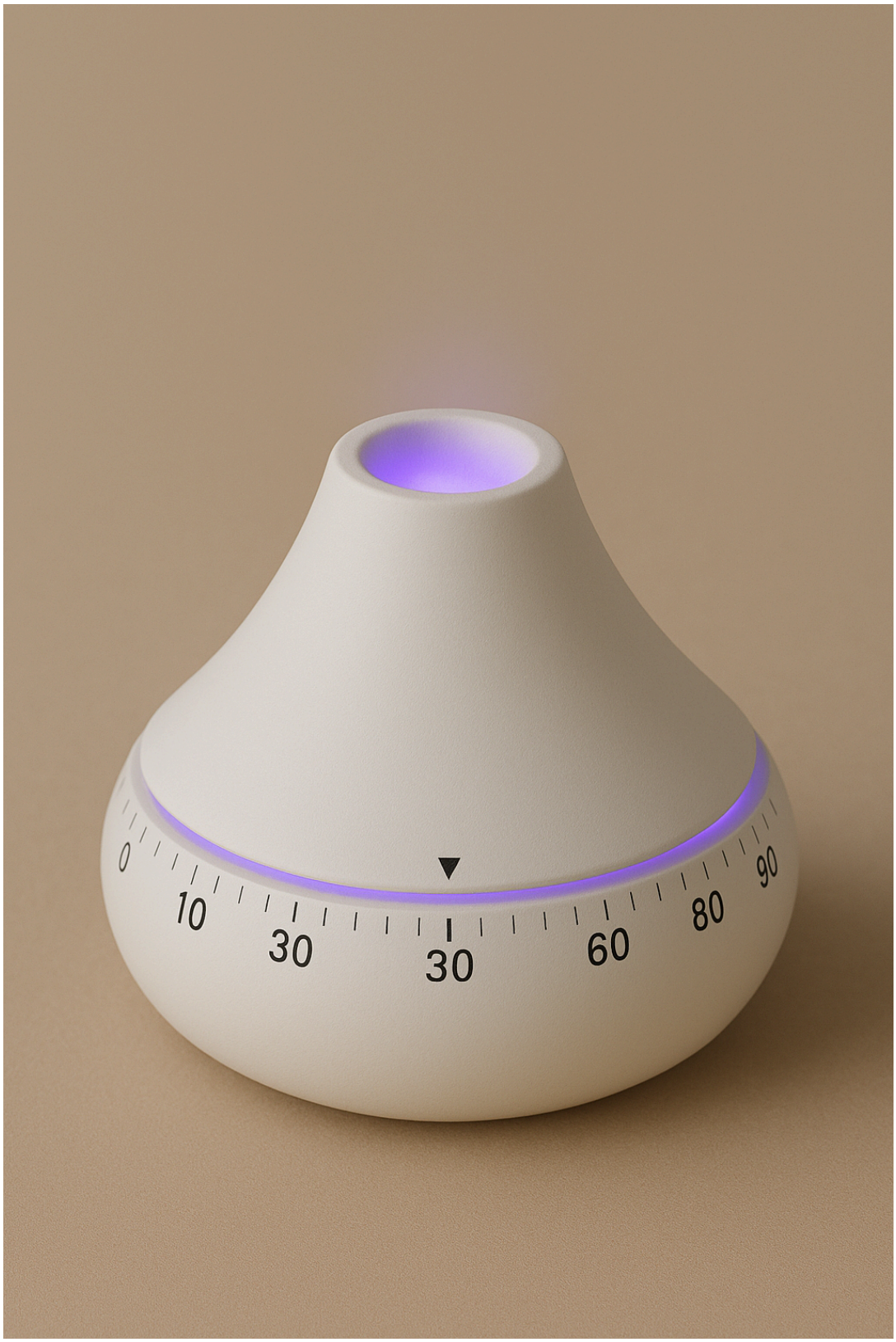
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Dry Incense Meditation Vaporizer with Integrated Resin Trap Cartridge

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Title:
Dry Material Convection-Based Meditation Vaporizer with Passive Resin Capture Layer

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Background:
Current aroma-based meditation tools use either essential oils or passive burning/incense mechanisms, lacking controlled vapor delivery and clean cycling of natural dry materials like oud or sandalwood. Existing vaporizers are designed for consumption rather than structured scent experiences and are often not optimized for long-duration use, resin management, or clean olfactory transitions.

Field of the Invention:
This invention pertains to the fields of aromatherapy, meditation technology, sleep tools, and

scent conditioning devices. It introduces a vaporizer specifically designed for meditative use with dry aromatic materials and includes a self-contained resin-trapping system that ensures clean, leak-free operation over time.

Summary:
The invention comprises a convection-based aroma vaporizer that uses dry incense cartridges containing materials such as oud chips or sandalwood powder. These cartridges include an integrated resin trap made from coarse granular media (e.g., sand, ceramic, or porous minerals). A fan and heating element work together to push heated air through the dry material, releasing scent-rich vapor while any melting resin is trapped within the cartridge media.

This allows the device to maintain cleanliness and performance over repeated uses, while cartridges are designed to be low-cost, disposable, or semi-reusable.

Detailed Description:

Common Features Across All Models:

- Sculptural, conical external housing
- Physical rotating time dial (0–90 min)
- LED glow indicating operational state:
    - Idle: off
    - Active: purple
    - Aroma phase: amber
- Fan-based convection heating system
- Modular dry incense cartridge system
- Internal airflow channel with upward vertical direction
- No screens or digital UI

Cartridge Assembly:
Each cartridge includes:

- A cylindrical or conical body with bottom air intake slots
- A herbal material zone at the upper layer, containing oud chips or powder
- A retainer mesh or perforated plate supporting the herbal layer
- Below the mesh: a granular resin trap zone, filled with coarse material (e.g., silica sand, lava rock, ceramic beads)
- A sealed vapor chimney exit path at the top

Operation:

1. User sets timer and inserts a cartridge
2. Fan activates and forces hot air through the cartridge
3. Aroma is vaporized from dry incense material
4. Melted resin drips downward and is absorbed or captured by the granular layer
5. Vapor exits through the chimney into the environment

Utility Patent Claims:

1. A scent vaporization apparatus comprising:
    - a conical housing,
    - a fan and heating element arranged to provide upward convection airflow,
    - a timer interface for controlling activation duration,
    - a removable cartridge comprising:
        - a chamber containing dry incense material,
        - a mesh support structure beneath the material,

    - a granular resin trap composed of heat-resistant coarse particles beneath the mesh,
    - and a vapor exit port at the top of the cartridge.

2. The apparatus of claim 1, wherein the dry incense material is selected from oud chips, sandalwood powder, palo santo, or a botanical blend.

3. The apparatus of claim 1, wherein the granular resin trap includes one or more of: silica sand, pumice, ceramic beads, lava rock, or activated alumina.

4. The apparatus of claim 1, wherein the cartridge is disposable or designed for single-session use.

5. The apparatus of claim 1, wherein the airflow path is configured to pass only through the incense layer and not through the resin trap media.

6. The apparatus of claim 1, further comprising a visual indicator that communicates the phase of the timer.

7. The apparatus of claim 1, wherein the cartridge is shaped to be inserted vertically into the housing and locked magnetically or with a bayonet-style twist.

Design Patent Claim:

Title:
Conical Meditation Vaporizer with Modular Cartridge and Top Vent

We claim the ornamental design of an aroma vaporizer comprising:

- A tapering conical form,
- A recessed central chimney outlet,
- A removable cylindrical cartridge inserted from below or the side,
- A rotating outer ring timer dial with an arrow indicator,
- A light-emitting seam along the base and dial edge.

Patentability Notes:

- The use of a granular trap for dry botanical incense vaporization is novel.
- Differentiated from e-cig or cannabis vaporizers due to:
    - Purpose: meditation & sleep states
    - Materials: whole aromatic botanicals, not consumables
    - Resin capture system: passive, mechanical, disposable
- Conical housing and screenless UI aligns with sensory and ritual design intent